

All COR ISO Recommendations

Latent Condition, Seismic and ISS

Friday, October 12, 2012 12:39:26 PM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Latent Condition	696	RLOP	LNF	2012	1-5	Do operators have sufficient knowledge to safely operate or shutdown the unit in emergency situations where they must assume manual control?	Plant normally runs on computer control and optimization. Operators have limited opportunity to assume manual control of unit. This may not provide adequate hands-on experience to run unit on manual in an emergency situation.	Consider scheduling regular opportunities for operators to run unit on manual control without advanced control during normal and abnormal operations.	Operators currently have the ability to use the control room satellite simulator. The RLOP simulation software can be loaded, at their request, so they can operate the unit manually if desired, and at their own convenience while on crew. The simulator also has programming available for emergency scenario's. Operations personnel also have refresher training every 3 years in which they are tested, using the simulator, on various emergency scenario's in which they have to operate the unit manually. Operations personnel also have the ability to talk with their HO and STL, or the HO may request, additional training on the simulator for crew members. It is up to the HO, STL, and individual operator to determine if an operator has sufficient knowledge or experience to operate the control board manually, or whether additional training is necessary.	3/12/2013	Seidlitz, Michael R.	In Progress
Latent Condition	697	RLOP	LNF	2012	3-13	Are all equipment labels (e.g., vessels, piping, valves, instrumentation, etc.) easy to read (clear and in good condition)?	In general, labels are clear and easy to read. However, the complexity and lack of labeling of the feed manifold is an issue. This has resulted in offtest product in the past.	Consider improving the labeling of lines and valves at the feed manifold. Consider isolation of unused lines with blinds and/or chain locked valves with appropriate documentation.	Bakelite tag labels have been mounted on the LNF/HNF feed manifolds since this action item was recommended. This action item is complete.	3/12/2013	Seidlitz, Michael R.	In Progress

All COR ISO Recommendations

Latent Condition, Seismic and ISS

Friday, October 12, 2012 12:39:26 PM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Latent Condition	698	RLOP	LNF	2012	3-51	Are instruments, displays, and controls promptly repaired after malfunction?	Yes, Maximo system allows for prioritization of work orders. Tracking of individual work orders is sometimes difficult. Sometimes instrument repairs need to be redone. Equipment repairs may be delayed due to lack of parts availability.	Consider reviewing stocking of spare parts for critical equipment and instruments. Make recommendations for any needed changes.	In the event a critical piece of equipment is waiting on a spare part the equipment can be placed, and remain, in bypass after documenting all concerns, consequences, and mitigations using an HSE assessment form and completing a Bypass Safety Devise form. The Bypass Safety Device form requires approval from a unit Head Operator, RBM delegate, and Operations Manager. It is impractical to carry spare parts, and all parts, for critical equipment as many parts do have a shelf life. The refinery recognizes the risk that if a critical piece of equipment shutdowns or fails, and the part isn't immediately available, that the plant may have to remain down.	3/12/2013	Seidlitz, Michael R.	In Progress
Seismic	700	RLOP	LNF	2012		E-1310A/B	Missing bolts, nuts, washers at north end between E-1310A and E-1310B - 5 places	Add bolts, nuts, washers - 5 places	Maximo work order #354564 created to execute above recommendation.	3/12/2013	Seidlitz, Michael R.	In Progress
Seismic	701	RLOP	LNF	2012		E-1311A/B	Missing bolt, nuts, washers at north end between E-1311A and E-1311B - 1 place	Add bolt, nuts, washers - 1 place	Maximo work order #354563 has been created to execute recommendation.	3/12/2013	Seidlitz, Michael R.	In Progress
Seismic	702	RLOP	LNF	2012		E-1752	Fixed end nuts are not run down and washers are not big enough	Install square or round 1/8-inch thick minimum washers that overlap sides of slotted holes by 1/4-inch minimum. Run fixed end nuts down.	Maximo work order #354561 has been created to execute recommendation.	3/12/2013	Seidlitz, Michael R.	In Progress